

Printed Pages : 2



NAR-306

(Following Paper ID and Roll No. to be filled in your Answer Book)

PAPER ID : 181318

Roll No.

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B.Arch.

(SEM. III) (ODD SEM.) THEORY
EXAMINATION, 2014-15
ARCHITECTURAL SERVICES

Time : 3 Hours]

[Total Marks : 50

1. A small assembly shop 15m long, 9m wide and 3m upto trusses is to be illuminated to a level of 200 Lux. The coefficient of utilisation is 0.75 and maintainance factor is 0.8. Calculate the number of lamps required to illuminate the whole area if the lumen output of the lamp selected is 3000 lumens. 10
2. Explain Conduit wiring and its types. 5
3. Short notes on : (10 marks)
 - (a) Lambert's cosine law
 - (b) Space Height Ratio
 - (c) Semi – indirect lighting
 - (d) Circuit in Corridors

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[Contd...

4. (a) Make a legend of 15 Electrical Appliances/Item 7.5
with their symbol, description and height(at
which they are installed).
- (b) Make a neat plan of a 3m x 4m bedroom 7.5
on a scale of 1:50 and use any 5 appropriate electrical
items from the above 15 in the plan to fulfil the need
to bedroom.
5. Explain four types of lighting with an example. 10
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